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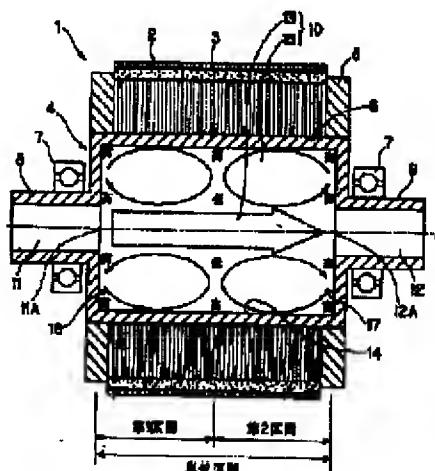
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(54) COOLING STRUCTURE OF ROTATING BODY

(57) Abstract

PROBLEM TO BE SOLVED: To provide a cooling structure of a rotating body for increasing the efficiency in cooling while a pressure loss is restricted.

SOLUTION: A coolant inlet hole 11 and a coolant outlet hole 12 joined to an inner space 10 of a rotating shaft 4 are formed opposite on a rotational central axis α , and the coolant is fed through the coolant inlet hole 11 and discharged through the coolant outlet hole 12. While the main flow of the coolant is generated at a central region 13 close to the rotational central axis α in the inner space 10, a circulating flow accompanied by the movement of the coolant in the radial direction is generated in a peripheral region 15. Then, the mutual coolants are mixed at the contact part between a circulating flow and a main flow.



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